**Car-pooling: Real Time Ride Sharing**

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**ABSTRACT**

Increasing traffic congestion and the associated externalities require the study of alternative measures to reduce the number of automotive travelling every day, specifically single-occupant vehicles. Carpooling is a system by which a person offers his or her private vehicle to one or more people who have similar destinations. The increasing number of vehicles is an important issue for big cities administrations and many problems are related to this event, such as air pollution, traffic jams, drivers stress and so on. A spirit solution for this problem is the usage of car-pooling systems, which support the task of vehicle (especially cars) sharing among users. Present systems only work as a passage where providers and consumers can arrange shared cars for public transit. Hence, we are aiming to provide a web based secure Model which can have adaptability to any kind of vehicle system like public or private transportations. System will try to keep security on a high priority. Beside system will also implement a secured encrypted messaging facility. This system focuses on the construction process of a Logic Flow Diagram that translates the proposed methodology, allowing organization of different activities, input parameters and discrete events in a formation that can be used to study any given area and hence implement the ride sharing in a very effective manner. Main motive is to provide a system which will enable easier sharing of vehicles, so that the number of vehicles in the roads can be decreased together with all the problems that such vehicles lift on, also providing a basic structure on top of which other systems can be developed.